

What is claimed is:

1. A method for representing a relational database table as a object in an object-oriented operating system comprising:

providing a reference to a primary key having a one-to-one mapping to a table entry in said relational database;

overloading the load method in the object-oriented operating system to load a latest instance of a table entry; and

overloading a save method in the object-oriented operating system to save an instance of a table entry.

2. A method in accordance with claim 1 further comprising:

overloading a remove method in the object-oriented operating system to remove an instance of a table entry.

3. A method in accordance with claim 2 wherein overloading a remove method in the object-oriented operating system removes itself and any child instances.

4. A method in accordance with claim 1 wherein overloading a load method in the object-oriented operating system loads itself and any child instances.

5. A method in accordance with claim 1 wherein overloading a save method in the object-oriented operating system saves itself and any child instances.

6. A method in accordance with claim 1 further comprising:

defining meta data relationship classes to define the relationship between a database type and its equivalent object-oriented data type.

7. A method in accordance with claim 1 further comprising:

providing a read data reference to convert data types from object-oriented data types to relational database data types.

8. A method in accordance with claim 1 further comprising:

providing a write data reference to map data from object-oriented data to relational database data.

9. A method in accordance with claim 1 further comprising:

providing a read type converter reference to convert data types from relational database data types to object-oriented data types.

10. A method in accordance with claim 1 further comprising:

providing a value added write data reference to convert data from relational database data to object-oriented data.

11. A method in accordance with claim 1 further comprising:
automatically generating Java code from a data source.

5 12. A method in accordance with claim 1 further comprising:
automatically generating Java code from database meta data.

13. A method in accordance with claim 1 further comprising:
automatically generating Java code from DDL.

10 14. A method in accordance with claim 1 further comprising:
allowing vendor-specific SQL hints to be added to generated code to improve performance.

15. A method in accordance with claim 1 wherein generated code is independent of a specific J2EE technology, database, external service and third-party products.

15 16. A method in accordance with claim 1 further comprising:
allowing incremental loading.